

## PATENT COOPERATION TREA

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

## (PCT Article 36 and Rule 70)

Applicant's or agent's file reference 9432-179/POA	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/US03/09877	International filing date (day/month/year) 31 March 2003 (31.03.2003)	Priority date (day/month/year) 05 April 2002 (05.04.2002)
International Patent Classification (IPC) or national classification and IPC IPC(7): H04N 5/50 G06F 13/00 and US Cl.: 725/109-113; 709/217-219		
Applicant MATSUHITA ELECTRONIC INDUSTRIAL CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I  Basis of the report
- II  Priority
- III  Non-establishment of report with regard to novelty, inventive step and industrial applicability
- IV  Lack of unity of invention
- V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI  Certain documents cited
- VII  Certain defects in the international application
- VIII  Certain observations on the international application

Date of submission of the demand 31 October 2003 (31.10.2003)	Date of completion of this report 15 December 2003 (15.12.2003)
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Authorized officer Faile I. Andrew Telephone No. (703)305-4700

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

the international application as originally filed.

the description:

pages 1-12 as originally filed  
 pages NONE, filed with the demand  
 pages NONE, filed with the letter of \_\_\_\_\_

the claims:

pages 14 and 15, as originally filed  
 pages NONE, as amended (together with any statement) under Article 19  
 pages 13,13A,16, filed with the demand  
 pages NONE, filed with the letter of \_\_\_\_\_

the drawings:

pages 1-5, as originally filed  
 pages NONE, filed with the demand  
 pages NONE, filed with the letter of \_\_\_\_\_

the sequence listing part of the description:

pages NONE, as originally filed  
 pages NONE, filed with the demand  
 pages NONE, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

the language of publication of the international application (under Rule 48.3(b)).

the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

contained in the international application in printed form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4.  The amendments have resulted in the cancellation of:

the description, pages NONE

the claims, Nos. NONE

the drawings, sheets/fig NONE

5.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-31</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-31</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-31</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-31 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest the claimed subject matter.

Considering amended claim 1, prior art of record does not teach the claimed features of a media distribution system adapted to supply media content from disparate sources, comprising an encoder tagging media content with an identifier tag useful in synchronization with an additional media content, an output transmitting the media content to a distribution mechanism adapted to distribute the media content to media delivery devices, and a distribution mechanism distributing the media content to a media delivery device adapted to record a channel upon which the identifier tag arrived, adapted to obtain additional media content from disparate sources, adapted to synchronize the media content with the additional media content according to the identifier tag and the channel, and adapted to deliver the additional media content to a consumer according to the identifier tag and a remote channel control function of the media delivery device.

Claims 2-15 & 17-30 depend from claims 1 & 16, and are thus likewise analyzed.

Claim 16 corresponds with subject matter mention with respect to claim 1, and is thus likewise treated.

Considering claim 31, prior art of record does not teach the claimed method of disseminating information for use in a portable device, generating first & second content adapted for dissemination from an information source, using authoring system to apply tags to the first & second content, such that the tags are configured to define an integrating relationship between the first and second content, providing the first and second content to an information source adapted to supply information upon demand to the portable device, wherein the portable device is enabled to synchronize and deliver the first ad second content based upon the channel that the first content was broadcast.

----- NEW CITATIONS -----  
NONE

## CLAIMS

## What is Claimed is:

1. A media distribution system adapted to supply media content from disparate sources, comprising:
  - an encoder tagging media content with an identifier tag useful in synchronization with additional media content, and useful in delivery of the media content;
  - an output transmitting the media content to a distribution mechanism adapted to distribute the media content to media delivery devices; and
  - a distribution mechanism distributing the media content to a media delivery device adapted to record a channel upon which the identifier tag arrived, adapted to obtain additional media content from a disparate source, adapted to synchronize the media content with the additional media content according to the identifier tag and the channel, and adapted to deliver the additional media content to a consumer according to the identifier tag and a remote channel control function of the media delivery device.
2. The system of claim 1, wherein said distribution mechanism is adapted to broadcast the media content to media delivery devices.
3. The system of claim 1, wherein said distribution mechanism is adapted to narrowcast the media content to a media delivery device in response to a request for the media content.
4. The system of claim 1, wherein said encoder is adapted to insert an identifier tag into a vertical blanking interval of a sequence of video frames using a format that is compatible with a video data stream.
5. The system of claim 1, wherein said encoder is adapted to insert a tag into a web page.
6. The system of claim 1, wherein the media content corresponds to a textual description.

7. The system of claim 1, wherein the media content corresponds to an image.
8. The system of claim 1, wherein the media content corresponds to information in a rich text format.

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media content without any awareness that the media content has been tagged, and to ensure that consumers having a suitably equipped media delivery device are able to enjoy an interactive experience facilitated by the identifier tag.

5 31. A method of disseminating information for use in a portable device, comprising:

generating first content adapted for dissemination from a broadcast source;

10 generating second content adapted for dissemination from an information source;

using an authoring system to apply tags to said first and second content, the tags being configured to define an integrating relationship between the first content and the second content;

15 providing said first content to a broadcast source adapted to broadcast to a portable device;

providing said second content to an information source adapted to supply information upon demand to said portable device; and

20 providing the portable device, wherein the portable device has ability to synchronize and deliver said first content and said second content based on a channel upon which said first content was broadcast to the portable device, and based on a channel remote control function of the portable device.

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